



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

ECHINIANTHUS, Breynius.

- E. Mortonis, (Pyrgorhyncus) Mich. Rev. et Mag. de Zool., 1850, 2. Desor., Synop. des Echin. 295. Miss.

CASSIDULUS, Lam.

- C. amygdala? Desor., Synop. des Echin. lxxv.
 C. Conradi, (Catopygus) Couper, Journ. Acad. Nat. Sci., iv. 2d series, 39, 1, 9. Georgia.
 C. Lyelli, (Nucleolites) Con., Journ. Acad. Nat. Sci., ii. 2d series, 40, 1, 14. Georgia.
 C. patelliformis, (Catopygus) Bouvé, Bost. Soc. Nat. Hist., iv. 2. Georgia.
Cassidulus patelliformis, Desor., Synop. des Echin. 290.

HEMIASTER, Lam.

- H. Conradi, Bouvé, Bost., Soc. Nat. Hist., v., 2d series, 3. Georgia. Desor., Synop. des Echin. 373.

DISCOIDEA, Lam.

- D. Haldemani, C., Journ. Acad. Nat. Sci., iv., 2d series, 40, 1, 12. Georgia.

ECHINOCARDIUM, Gray.

- E. orthonotus, (spatangus) C., Proceed. A. N. S. 1, 327. Virg.
Amphidetus Virginianus, Forbes, Quart. Journ. Geol. Soc., i. 425.
Echinocardium Virginianum, Desor., Synop. des Echin. 408.

Cirripedia.

BALANUS, Lin.

- B. humilis, C., Amer. Journ. Sci., ii., 2d series, 400, f. 4, Florida.
 B. peregrinus, Morton, Organic Rem. of Cretac. Group, 72. S. C.

Descriptions of new species of ECHINIDÆ.

BY T. A. CONRAD.

SISMONDIA, Desor.

S. ALTA. Suborbicular; margin thin, disk gradually rising towards the centre and concave in outline; central portion elevated and obliquely flattened at the summit; ambulacra lanceolate, nearly closed; anus subquadrangular, thin, position nearer the mouth than the posterior end; margin thin, undulated.

Scutella, ——— Emmons, Geol. of North Carolina.

S. MARGINALIS. Subovate or suborbicular, depressed; ambulacra lanceolate; central prominence rounded, margin thicker than the submarginal area of the disk; truncated posteriorly, emarginated; anus subquadrangular, minute, situated near the margin, which is thickened beneath. Diameter $\frac{7}{8}$ inch. Height $\frac{1}{7}$ inch, S. C.

S. PLANA. Discoid, subovate, very thin, margin slightly thickened, disc convex depressed, summit anterior to the middle; ambulacra broadly lanceolate, nearly closed; anus distant from the margin, but nearer to it than to the mouth. Longitudinal diameter $\frac{1\frac{1}{6}}$ of an inch; transverse diameter $\frac{9}{16}$ inch. S. C.

Descriptions of three new species of Exotic UNIONES.

BY ISAAC LEA.

UNIO WRIGHTII. Testâ plicatâ, latâ, ad umbones inflatâ, valdè inæquilaterali, posticè acuto-angulatâ, anticè rotundatâ; valvulis crassiusculis, anticè crassioribus; natibus subprominentibus et crebrè plicatis; epidermide tene-1865.]

broso-fuscatâ, eradiatâ et marginatâ; dentibus cardinalibus sublongis, sub-obliquis, crenulatis, lamellatis, in utroque valvulo duplicibus; lateralibus prælongis, obliquis, lamellatis corrugatisque; margaritâ albâ et valdè iridescente.

Hab.—China; A. R. Wright, M. D.

UNIO TORTUOSUS. Testâ inæquivalvâ, contortâ, plicatâ, valdè obliquâ, inflatâ, posticè obtusè angulatâ, anticè obliquè curvatâ; valvulis percrassis, anticè crassioribus; natibus prominentibus, crassis terminalibusque; epidermide tenebroso-olivâ, obsoletè radiatâ; dentibus cardinalibus permagnis, crassis, rectis corrugatisque; lateralibus sublongis, subrectis, striis perpendicularis instructis; margaritâ argenteâ et valdè iridescente.

Hab. China; A. R. Wright, M. D.

This remarkable *Unio* is the first which has been found possessing an *irregular plane of the margin and being inæquivalve*. When looking on the anterior end with the ligament above, the line of the opening of the valves curves to the right. The beak of the left valve is higher than that of the right and projects anteriorly. The left valve is therefore larger than that of the right, and the weight differs—the left being 257 grains and the right 242 grains. The very remarkable perpendicular striæ on the lateral teeth of this specimen, if always present in other individuals, will demand its being placed in the genus *Prisodon*, Schumacker = *Castalia*, Lam. These striæ are probably normal to the species. Before *Triquetra contorta*, from China, was described by me, none of us could have expected to see a member of the *Unionidæ* to be curved like *Arca tortuosa*, Lin.; but now we have a second member of the family totally unlike the other, except having a curved plane of the shell.

UNIO RUFOFUSCUS. Testâ plicatâ, subquadratâ, subsulcatâ, sublenticulari, inæquilaterali, posticè rotundatâ, anticè rotundâ; valvulis crassiusculis, anticè crassioribus; natibus prominulis, crebrè et minutè plicatis; epidermide rufuscatâ, eradiatâ, micanti; dentibus cardinalibus subcompressis, crenulatis, in utroque valvulo subduplicibus; lateralibus longis subcurvisque; margaritâ albâ et iridescente.

Hab.— ? Sig. Patricio Maria Paz.

May 2d.

The President, DR. BRIDGES, in the Chair.

Eleven members present.

The following paper was presented for publication :

"Partial Catalogue of the Cold-blooded Vertebrata of Michigan, Pt. II." By E. D. Cope.

May 9th.

The President, DR. BRIDGES, in the Chair.

Thirteen members present.

May 16th.

The President, DR. BRIDGES, in the Chair.

Twenty-four members present.

The following paper was presented for publication : "Description of eight new Species of *Unio* of the United States." By Isaac Lea.

[May,